

Notice of Allowability

Application No.

09/611,230

Examiner

Melody M. Burch

Applicant(s)

BARBERIS ET AL.

Art Unit

3683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/16/058.
2. ☒ The allowed claim(s) is/are 12-16, 18-20 and 22.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 1/2/02.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date with Ex. Amend.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Sloan on June 22, 2005.

The application has been amended as follows:

- in line 10 from the bottom of claim 12 "second transmission" has been changed to --second bi-directional transmission-- to maintain consistency;
- in lines 8-9 from the bottom of claim 12 "first transmission" has been changed to --first bi-directional transmission-- to maintain consistency;
- in line 7 from the bottom of claim 12 "first line" has been changed to --first bi-directional transmission line-- to maintain consistency;
- in line 5 from the bottom of claim 12 "to two slave control units" has been changed to --to said different pairs of slave control units-- to refer back to the slave control units between which there is an interruption;
- in line 2 from the bottom of claim 12, in lines 4 and 7 of claim 13, in lines 2-3 and in line 4 of claim 14, in line 3 of claim 15, in lines 2 and 4 of claim 16, in lines 1-2 of claim 18, in line 4 of claim 19, in line 1 of claim 20, and in line 4 of claim 22 "said transmission" has been changed to --

said bi-directional transmission-- to clearly refer to the bi-directional transmission lines and to maintain consistency;

- in line 2 of claim 19 and in lines 2-3 of claim 22 "one transmission line" has been changed to --one of said bi-directional transmission lines--;
- in line 2 of claim 20 "serial type" has been changed to --serial brake control-- to maintain consistency;
- claim 21 has been cancelled;
- in line 2 from the bottom of the amendment B2 of the third paragraph of pg. 9 "transducer command signals" has been changed back to --transfer command signals--;
- the second paragraph from the bottom of pg. 10 of the specification beginning "The system described is further able...a single transmission line." has been deleted;
- in the abstract "The main control unit is arranged to transmit... at least one of the transmission lines." In the last four lines of the abstract have been deleted and replaced with --The main control unit being arranged to detect a condition in which the transmission lines are both interrupted, each between different pairs of slave control units, and to provide a transfer command signal to send the brake control signals to two slave control units between which there is an interruption of one of the transmission lines, in such a way that all the slave control units are able to communicate with the main control unit via a provisional transmission

line.-- to make reference to the critical limitation of the provisional transmission line.

2. The following is an examiner's statement of reasons for allowance: The prior art of record fails to describe or suggest the claimed invention. Particularly, Engle et al., as modified by Hsien et al. teach the use of redundantly arranged transmission lines 31 and 32 shown in figure 2 of Hsien et al. for a communication control system, but fail to include the limitation of providing a transfer command signal to send brake control signals to the different pairs of slave control units between which an interruption of one of the transmission lines such that all of the slave control units communicate by way of a provisional transmission line made up of portions of both the bi-directional transmission lines and the slave control units that were sent the brake control signals.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melody M. Burch whose telephone number is 571-272-7114. The examiner can normally be reached on Monday-Friday (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles A. Marmor can be reached on 571-272-7095. The fax phone

Art Unit: 3683

number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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June 22, 2005

Melody M. Burch
6/22/05